IN THE CLAIMS

Please amend Claims 1-20 as follows:

1. (Amended) A disk for a hard disk drive, comprising:

a disk having at least one side with a plurality of tracks, each track including at least one group of sectors, each sector within said group includes a burst in a servo field which corresponds to a portion of track position information, said plurality of portions of track position information in the corresponding plurality of sectors within said group are combined to provide a track position of a corresponding track [of said tracks having a first burst in a first servo field and a second burst in a second servo field, said first burst providing a first portion of track position information and said second burst providing a second portion of track position information, said first and second portions in combination providing a position of a corresponding track].

2. (Amended) The disk as recited in claim 1, wherein said plurality of bursts [first burst and said second bursts] are located on consecutive sectors [of each track].

3. (Amended) The disk as recited in claim 2, wherein each servo field in each sector includes a second [track further comprises a third] burst that provides a sector sequence number identifying [that identifies] the sequence position of each of said consecutive sectors.

4. (Amended) The disk as recited in claim 1, wherein each track includes at least one group of six sectors [further comprises a third burst that provides a third portion of track position information, said first, second and third portions in combination providing a position of a corresponding track].

5. (Amended) The disk as recited in claim 4, wherein the six sectors are in consecutive order [said first, said second and said third bursts are located on consecutive sectors of each track].

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6. (Amended) The disk as recited in claim 5, wherein each servo field in the six sectors includes a second [track further comprises a fourth] burst that provides a sector sequence number identifying [that identifies] the sequence position of each of said consecutive sectors, said plurality of portions of track position information and the corresponding sequence number in the consecutive six sectors, in combination, providing a position of a corresponding track [; said first, second and third portions and their corresponding sequence numbers in combination providing a position of a corresponding track].

7. (Amended) The disk as recited in claim 1, wherein a first burst in a first servo field of a first sector [each track further comprises a third burst that] provides a quadrant position of said disk.

8. (Amended) The disk as recited in claim 1, wherein said disk has a second side with a second plurality of tracks, wherein each track on each side of said disk includes at least one group of sectors each having said burst in said servo field corresponding to a portion of track position information [said first burst and said second burst].

9. (Amended) The disk as recited in claim 8 [2], wherein a first burst in a first servo field of a first sector and a second burst in a second servo field of a second sector [each track on each side of said disk further comprises a third burst and a fourth burst, said third and fourth bursts] providing a first portion and a second portion of disk side position information, respectively, said first and second portions of disk side position information in combination providing a track position of a side of the disk.

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10. (Amended) A hard disk drive, comprising:

a housing;

a spin motor mounted to said housing;

an actuator arm mounted to said spin motor;

a disk attached to said spin motor, said disk having at least one side with a plurality of tracks, each track including at least one group of sectors, each sector within said group includes a burst in a servo field which corresponds to a portion of track position information, said plurality of portions of track position information in the corresponding plurality of sectors within said group are combined to provide a track position of a corresponding track [of said tracks having a first burst in a first field and a second burst in a second field, said first burst providing a first portion of track position information and said second burst

providing a second portion of track position information, said first and second portions in combination providing a position of a corresponding track]; and

a read/write head mounted to said actuator arm for reading said at least one side of said disk.

11. (Amended) The hard disk drive as recited in claim 1, wherein said plurality of bursts [first burst and said second bursts] are located on consecutive sectors of each track.

12. (Amended) The hard disk drive as recited in claim 11, wherein each servo field in each sector includes a second [track further comprises a third] burst that provides a sector sequence number identifying [that identifies] the sequence position of each of said consecutive sectors.

13. (Amended) The hard disk drive as recited in claim 10, wherein each track includes at least one group of six sectors [further comprises a third burst that provides a third portion of track position information, said first, second and third portions in combination providing a position of a corresponding track].

14. (Amended) The hard disk drive as recited in claim 13, wherein said six sectors are located consecutively [said first, said second and said third bursts are located on consecutive sectors of each track].

15. (Amended) The hard disk drive as recited in claim 14, wherein each servo field in the six sectors includes a second [track further comprises a fourth] burst that provides a sector sequence number identifying [that identifies] the sequence position of each of said consecutive sectors, said plurality of portions of track position information and the corresponding sequence number in the consecutive six sectors, in combination, providing a position of a corresponding track [; said first, second and third portions and their corresponding sequence numbers in combination providing a position of a corresponding track].

16. (Amended) The hard disk drive as recited in claim 10, wherein said disk further comprises a second side with a second plurality of tracks, wherein each track on each side of said disk includes at least one group of sectors each having said burst in said servo field corresponding to a portion of track position information [said first burst and said burst, each track on each side of said disk further including a third burst and a fourth burst, said third and fourth bursts providing a first portion and a second portion of disk side position information respectively, said first and second portions of disk side position information in combination providing a position of a side of the disk]; and

wherein said hard disk drive further comprises a second read/write head mounted to said actuator arm for reading said second side of said disk.

17. (Amended) A method for providing servo information on a disk in a hard disk drive, comprising the steps of:

a) providing a disk having [a] at least one side with a plurality of tracks, each track including at least one group of sectors, each sector within said group

includes a burst in a servo field which corresponds to a portion of track position information [of said tracks having a first in a first servo field and a second burst in a second servo field, said first burst providing a first portion of track position information and said second burst providing a second portion of track position information];

b) reading said plurality of bursts [first burst]; and

[c) reading said second burst; and]

c) [d)] combining said plurality of portions of track position information [first and said second portions] to provide a track position of a corresponding track.

18. (Amended) The method as recited in claim 17, wherein step a) further comprises the step of: providing a second [third] burst in each of the plurality of servo fields that provides a sector sequence number identifying [that identifies] the sequence position of each of said [consecutive] sectors;

wherein the method further comprises the steps of:

reading said second [third] burst in each sector [, after step c)]; and

[the step of: e)] combining said plurality of portions [first, and second portions] and their corresponding sequence numbers to provide a position of a corresponding track.

19. (Amended) The method as recited in claim 17, wherein a first burst in a first servo field of a first sector providing [step a) further comprises the step of providing a third burst that provides] a quadrant position of said disk.

20. (Amended) The method as recited in claim 17, wherein in step a), said disk has a second side with a second plurality of tracks, wherein each track on each side of said

disk includes at least one group of sectors each having a burst in servo field, wherein a first burst in a first servo field of a first sector and a second burst in a second servo field of a second sector [said first burst and said second burst; and wherein each track on each side of said disk further comprises a third burst and a fourth burst, said third and fourth bursts] providing a first portion and a second portion of disk side position information respectively; wherein said method further comprises the steps of:

d) [e)] reading said first and second portions of disk side position information; and

e) [f)] combining said first and second portions to provide a position of a side of the disk.

A1 CONT.

Please add claims 21-24 as follows:

21. (New) A disk for a hard disk drive, comprising:

a disk including at least one side having a plurality of tracks, each track including a plurality of groups of sectors, each group of sectors including a plurality of sectors, each sector in each group of sectors includes a burst in a servo field having a portion of track position information, said portions of track position information in each group of sectors in combination providing a track position of a corresponding track.

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22. (New) The disk as recited in claim 21, wherein each group of sectors includes six sectors.

23. (New) The disk as recited in claim 22, wherein (i) a first sector includes a first burst in a first servo field providing a quadrant position of said disk, (ii) a second sector includes a second burst in second servo field providing a head position of said disk, and (iii) a third sector includes a third burst in a third servo field providing upper bits of track position information.

24. (New) The disk as recited in claim 23 wherein each sector further includes a fourth burst in the respective servo fields, said fourth burst providing lower bits of track position information.